

CONTROL SYSTEM FOR OPTICAL MEDIA IN A LUMINAIRE

Abstract of the Disclosur

A zoom lens system includes a motor driven lens assembly that is movable on a track in a normal movement range for adjusting the light beam range angle of a luminaire. A pair of doors are pivoted to opposite sides of the frame of the lens assembly and are normally biased to an inactive position where the doors are parallel to and outside of the light path in the luminaire. The doors hold optical media such as diffuser gels. The lens assembly can be moved beyond the normal movement range to an actuation position where projections on the doors engage actuation abutments adjacent the track to move the doors to an active position overlying the lens with the optical media in the light path. A latch holds the door in the active position. The lens assembly can be moved beyond the actuation position to a deactivation position where a deactivation abutment releases the latch freeing the doors to return to the inactive positions.